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INTERNATIONAL SEARCH REPORT

International application No.

PCT/JP2004/17308

A. CLASSIFICATION OF SUBJECT MATTER Int.Cl.: F28F 9/02, F28F 9/18, F25B 39/02 According to International Patent Classification (IPC) or to both national classification and IPC		
B. FIELDS SEARCHED Minimum documentation searched (classification system followed by classification symbols) Int.Cl.: F28F 9/02, F28F 9/18, F25B 39/02 Documentation searched other than minimum documentation to the extent that such documents are included in the fields searched Japanese Utility Model Gazette 1922-1996, Japanese Publication of Unexamined Utility Model Applications 1971-2003, Japanese Registered Utility Model Gazette 1994-2005, Japanese Gazette Containing the Utility Model 1996-2005 Electronic data base consulted during the international search (name of data base and, where practicable, search terms used)		
C. DOCUMENTS CONSIDERED TO BE RELEVANT		
Category*	Citation of document, with indication, where appropriate, of the relevant passages	Relevant to claim No.
Y	JP 10-339586 A (NIHON KEIKINZOKU K.K.) 1998.12.22, Fig. 16(b) (Family: none)	1-22
Y	JP 2001-241881 A (SHOWA DENKO K.K.) 2001.09.07, Fig. 2 &US 2001/18966 A1 &EP 1130349 A2 &DE 60101235 T &AT 254750 T &TW 550134 B &ES 2210049 T	1-22
Y	JP 2003-75024 A (SHOWA DENKO K.K.) 2003.03.12, Fig. 13-15 &EP 1397623 A &WO 02/103263 A1 &TW 552382 B &BR 210482 A	7, 8-18, 20
<input type="checkbox"/> Further documents are listed in the continuation of Box C. <input type="checkbox"/> See patent family annex.		
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Date of the actual completion of the international search 15.03.2005		Date of mailing of the international search report 03.4.2005
Name and mailing address of the ISA/JP Japan Patent Office 3-4-3, Kasumigaseki, Chiyoda-ku, Tokyo 100-8915, Japan		Authorized officer KANZAKI Takayuki Telephone No. +81-3-3581-1101 Ext. 3377
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